

**Experience Profile****Tanya L. Drake**Senior Geologist/Operations Manager - Minneapolis

EDUCATION

B.S. Earth Science - Geology, Saint Cloud State University

TRAINING/CERTIFICATIONS

IA Certified Groundwater Professional #1949
40 Hour OSHA Training per 1910.120
40 Hour NIOSH 582-E
24 Hour Minnesota Asbestos Building Inspector
40 Hour Minnesota Asbestos Site Supervisor
Minnesota Air Monitoring Technician Course
Radiation Safety and Measurement Technology
Red Cross First Aid Training
Red Cross CPR Training
8 Hour On-Track Safety

PROFESSIONAL AFFILIATIONS

Minnesota Groundwater Association

FIELDS OF SPECIALIZATION

Site Investigations
Regulatory Permitting
Regulatory Reporting (RCRA, TSCA, AHERA)
Compliance Audits (SPCC, SWPP)
Subsurface Investigation
Groundwater Modeling
Asbestos Project Oversight

QUALIFICATIONS SUMMARY

Ms. Drake is a solid project manager and technical assistant with strong developmental and organizational skills and over eight years of real-time experience. She has served as project manager on various storage tank sites for retail petroleum, government, and railroad clients. Her field responsibilities have included collecting and field screening soil and water samples, performing aquifer pumping and slug tests, surveying, trouble shooting equipment maintenance, overseeing well installation, tank removal, soil excavation, as well as reporting to clients and regulatory agencies.

- Aquifer analysis and data collection using data logging, Aqtesolv, and BRR Slug.
- Field sample and data collection.
- Interpretation of field data and preparation of reports and proposals for client and regulatory agency use.
- Geology laboratory support services; including core sample analysis, well-logging, drill mud analysis, and total organic carbon testing.
- Asbestos inspection and abatement oversight
- Hazardous Waste Management
- Compliance audits for SPCC and SWPP

Ms. Drake has served as Field Geologist or Project Manager for more than 100 petroleum-impacted sites in Minnesota, Wisconsin, Iowa, North Dakota, and South Dakota.

SELECTED PROJECTS**Soil Excavation for Asbestos Contaminated Soils, Minot, North Dakota,**

Project Manager This project involved the removal of 700 cubic yards of asbestos contaminated soils from railroad right-of-way in Minot, North Dakota. The United States Environmental Protection Agency (USEPA) conducted preliminary testing and delineation. Ms. Drake worked with the USEPA when planning and executing the project in order to comply with the processes and procedures set forth by the USEPA. EMR coordinated and oversaw the removal of the asbestos contaminated soils at the site. EMR conducted soil sampling and air monitoring associated with this project. Upon completion of the project, Ms. Drake prepared the final report for submittal to the USEPA on behalf of EMR's railroad client.

Heavy Metal in Soils and Asbestos Inspection/Air Monitoring, Arden Hills, Minnesota.

Project Manager This project involved field screening heavy metals analysis in soils at a former Army Ammunitions facility in Arden Hills, Minnesota. Ms. Drake has been responsible for project management activities including scheduling of personnel, establishing protocol and dealing with client concerns and issues. EMR has utilized multiple dual-source XRF units to provide real-time field screening results to the contractor for the past four seasons. EMR also provided asbestos inspection and asbestos air monitoring services associated with un-permitted landfills located on site during excavation activities. Ms. Drake has been involved with the project in most aspects including management and providing relief operations for project personnel.

Asbestos and Petroleum Impacted Soil Excavation, St. Paul, Minnesota:

Program Manager This project involved removal of 4,000 cubic yards of asbestos and petroleum impacted soil. Soil removal was required for a building project scheduled on site; the site is a railroad museum. EMR conducted soil screening for petroleum hydrocarbons and visual inspection for asbestos. The sources of the asbestos on site were buried insulated pipes. Ms. Drake provided program management and also served as primary field person on site providing air monitoring and inspection activities.

Crosby Lake Business Park, St. Paul, Minnesota:

Staff Geologist, Field Geological Investigation Team responsibilities include assisting the geological investigation in site characterization, regulatory interpretation, groundwater modeling, and remediation. The site historically operated as a bulk storage facility/tank farm for Texaco. The investigation determined the type, amount and extent of environmental hazards present at the site; the risk assessment established cleanup levels. Ms. Drake served as on site field supervisor for three seasons. Remedial activities included excavation of impacted overburden for thermal treatment, land farming, and landfilling. She also conducted groundwater sampling associated with petroleum hydrocarbon impacts to the sandstone bedrock aquifer. Upon completion of field activities, the site was redeveloped by the St. Paul Port Authority. Impacts at the site included petroleum hydrocarbons and lead. Ms. Drake was completing remediation on behalf of the client under Minnesota's Voluntary Investigation and Cleanup (VIC) Program for another consulting firm.

Environmental Compliance Management, Upper Mid-West

Project Manager These projects have involved efforts in most aspects of environmental compliance and waste management for multiple railroad clients. Topics of compliance covered under these program management responsibilities included; regulatory review, incident response, response planning, storm water management, waste management, training, asbestos management, tank management, wastewater treatment, air permitting, and noise related issues. Many other aspects of compliance and waste management are covered under these programs as well, including material management and recycling efforts.

Coastal Mart, Inc.

Project Manager for numerous LUST sites for Coastal Mart, Inc. sites located in Iowa, South Dakota, and Minnesota. Provided project oversight and field activities at approximately 80 sites in Iowa; completing Tiered RBCA Site Assessment Reports, periodic Site Cleanup Reports, Tank Closure Reports, Free Product Recovery Reports, and Site Closure Reports, as warranted, for all Iowa sites. Ms. Drake has been involved in the LUST site management program for Coastal beginning in 1995 as a Staff Geologist.